	Application No.	Applicant(s)
Notice of Allowability	09/976,780	SYVANNE, TUOMO
	Examiner	Art Unit	
	Mohammad Ali	2167	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to _7/19/05_.

2. ☒ The allowed claim(s) is/are _18, 20, and 21 (renumberd as 1-3)_.

3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a)☒ All   b)☐ Some*   c)☐ None   of the:

        1. ☒ Certified copies of the priority documents have been received.

        2. ☐ Certified copies of the priority documents have been received in Application No. _____ .

        3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

    * Certified copies not received: _____ .

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. **THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.

5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.

    (a)☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached

        1)☐ hereto or 2)☐ to Paper No./Mail Date _____ .

    (b)☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____ .

    Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)

2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)

3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _3/05_

4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material

5. ☐ Notice of Informal Patent Application (PTO-152)

6. ☒ Interview Summary (PTO-413), Paper No./Mail Date _____ .

7. ☒ Examiner's Amendment/Comment

8. ☒ Examiner's Statement of Reasons for Allowance

9. ☐ Other _____ .

Mohammad Ali
Primary Examiner
Art Unit: 2167

DETAILED ACTION

1.   This communication is responsive to the Amendments filed on 7/19/05.

After a search and a thorough examination of the present application and in light

of the prior art made of record, claims 18, 20, and 21 (renumbered as 1-3) are allowed.

Claims 1-17 and 19 have been cancelled.

EXAMINER'S AMENDMENT

2.   An examiner's amendment to the record appears below. Should the changes

and/or additions be unacceptable to applicant, an amendment may be filed as provided

by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be

submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview

with Attorney Ronal Craig Fish (Reg. No. 28,843) on September 27, 2005.

Please re-write the Abstract as follows:

Abstract

A method (750) for processing data packets in a gateway element comprises the

steps of: comparing (751) a data packet to screening information comprising a

set of rules, and processing (755) a data packet according to a rule belonging

to the set of rules, the header information of said data packet matching the

header information of said rule. The method is characterized in that said

screening information is hierarchically structured so that it comprises a first

rule, which specifies first header information, and a subset of rules relating

to said first rule, and in that in said step of comparing a data packet, said

data packet is compared (754, 756) to said subset of rules only if the header

information of the data packet matches the header information of the first

rule. A gateway element (80), an arrangement (85), and a data structure (40)

comprising screening information are also presented.

**Please replace the claims which was filed on 7/19/05 with the new versions
as follows:**

Please cancel claims 2-6 and 14-16.

18.   An arrangement including at least one gateway element and a database

entity, said at least one gateway element comprising

       - means storing information for screening data packets and

       - means processing data packets, said processing involving comparison of a data

packet header to header information specified in said screening information,

       - said database entity including means providing information for screening data

packets,

       - said at least one gateway element including means receiving at least part of

said information for screening data packets from said database entity,

and said processing means being configured to compare header information of a

data packet to screening information comprising a first rule, which specifies first

header information, and a subset of rules relating to said first rule, and configured to

compare a data packet to said subset of rules only if the header information of the

data packet matches the header information of the first rule, and wherein said

screening information comprises a first part, which is modifiable by an entity

authorized to configure said gateway element, and a second part, which is

modifiable by an entity specifically authorized to modify said second part.

Please cancel claim 19.

20.   [New] A computer readable storage medium comprising a computer executable

program code which provides at least following functions of a gateway element:

- storing information for screening data packets,

- processing data packets, said processing involving comparison of a data packet

header to header information specified in said screening information,

- receiving at least part of said information for screening data packets from a

database entity providing information for screening data packets, and

- said comparing involving comparing header information of a data packet to

screening information comprising a first rule, which specifies first header information,

and a subset of rules relating to said first rule, and configured to compare a data

packet to said subset of rules only if the header information of the data packet

matches the header information of the first rule, and wherein said screening

information comprises a first part, which is modifiable by an entity authorized to

configure said gateway element, and a second part, which is modifiable by an entity

specifically authorized to modify said second part.

21.   [New] A computer-implemented method for processing data packets in a

gateway element, said method comprising:

- storing information for screening data packets and

- processing data packets, said processing involving comparison of a data

packet header to header information specified in said screening information,

- receiving at least part of said information for screening data packets from a

database entity providing information for screening data packets, and

-    said comparing involving comparing header information of a data packet to

     screening information comprising a first rule, which specifies first header

     information, and a subset of rules relating to said first rule, and configured to

     compare a data packet to said subset of rules only if the header information of

     the data packet matches the header information of the first rule, and wherein

     said screening information comprises a first part, which is modifiable by an

     entity authorized to configure said gateway element, and a second part, which

     is modifiable by an entity specifically authorized to modify said second part.

Reason for Allowance

3.   The prior art made of records does not teach or fairly suggest the combination of

elements, as recited in independent claims 18, 20 and 21. More specifically, the prior

art of records does not specifically suggest wherein comparing involving comparing

header information of a data packet to screening information comprising a first rule,

which specifies first header information, and a subset of rules relating to said first

rule, and configured to compare a data packet to said subset of rules only if the

header information of the data packet matches the header information of the first

rule, and wherein said screening information comprises a first part, which is

modifiable by an entity authorized to configure said gateway element, and a second

part, which is modifiable by an entity specifically authorized to modify said second

part.

Any comments considered necessary by applicant must be submitted no later

than the payment of the issue fee and, to avoid processing delays, should preferably

accompany the issue fee. Such submissions should be clearly labeled "Comments on

Statement of Reasons for Allowance."

Contact Information

4.   Any inquiry concerning this communication or earlier communications from the examiner should be directed to Mohammad Ali whose telephone number is (571) 272-4105. The examiner can normally be reached on Monday-Thursday (7:30 am-6:00 pm).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John E. Breene can be reached on (571) 272-4107. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Mohammad Ali
Primary Examiner
Art Unit 2167

MA
September 28, 2005